



# Muscat clean electricity



## Overview

OETC is aiming to integrate 30% renewable energy into Oman's electricity mix by 2030. Achieving this requires more than just building solar and wind farms; it demands a sophisticated smart grid capable of managing the intermittent nature of these sources. The clean energy demand of the Greater Muscat Structure Plan is projected at a hefty 5 GW. MUSCAT: Oman's national grid will be suitably expanded and modernized to help meet a dramatic leap in the green energy requirements of a slate of Smart Cities and sustainable urban development schemes. Founded in 2025 in the Sultanate of Oman, O-GREEN was created to accelerate the energy transition and build an integrated clean energy platform that covers the full cycle - from concept and design to construction, operation, long-term maintenance, development of green technologies, and enhancement. With Vision 2040 aiming for net-zero emissions and renewable energy integration, the Sultanate faces a critical question: How do we store solar power when the sun doesn't shine?

Enter Muscat Bank's \$180 million energy storage initiative - arguably the most ambitious grid-scale project in the Gulf. In a moment that embodies national pride and reaffirms Oman's rising position as a regional leader in renewable energy, OQ Alternative Energy (OQAE), a subsidiary of OQ, celebrated the arrival of the first batch of the wind turbines for the Riyah 1 and Riyah 2 wind projects at Duqm Port on Tuesday. Muscat - Oman Investment Authority (OIA) has launched Energy Transition Fund with China's Templewater, signalling a deepening of Oman-China investment cooperation in the clean energy sector. The announcement was made on the sidelines of the 10th Belt and Road Summit in Hong Kong on September 10. Those accumulating experiences are what made us a.

## Article Content

Oman's largest solar farm begins generating electricity, ...

In Oman, 170 km north of Muscat city, in the Ad Dhakiliyah governorate, the Manah 1 project will generate enough electricity to power over 60,000 Omani ...

Muscat Bank Energy Storage: Powering Oman's Renewable Future ...

As temperatures hit 50°C last summer, one thing's clear - energy storage isn't just about electrons. It's about securing Oman's future in the age of climate disruption.

Go Green with Solar Panels

Trust the experts to install top-quality solar panels and provide renewable energy solutions for your home or business.

Oman Launches a New Era of Clean Energy with the ...

This milestone strengthens Oman's credentials as a regional clean-energy hub, demonstrating the country's increasing ability to attract world-class ...

GHSO 2025 - Towards a clean energy economy

The Green Hydrogen Summit Oman (GHSO) 2025, held under the esteemed patronage of the Ministry of Energy and Minerals - Oman and ...

Green energy for Oman's smart city projects

Topping the list in terms of anticipated energy demand is the Greater Muscat Structure Plan, an ambitious urban development scheme with a projected clean energy requirement of a hefty ...

Oman, China unveil RO77mn fund for clean energy ...

The fund, first announced in Muscat in July, is aimed at accelerating Oman's energy transition and economic diversification. It is also intended to ...

Renewable Energy in Oman RE Potential and PWP Plans

PWP is a regulated entity with obligations to procurement capacity and output via contracts, to meet demand. Existing: • 9,716 MW generation capacity (13 plants). 1,336,000 m<sup>3</sup>/d desalination capacity ...

Renewable Energy Integration with Muscat's Smart Power Grid, Oman

The integration of renewable energy and the modernization of the power grid are key components of this vision, aiming to create a more resilient and environmentally responsible energy sector for Oman.

## Contact Us

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